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U. S. DEPARTMENT OF AGRICULTURE  
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INDUSTRIAL RESEARCH AND DEVELOPMENT  
ON FOODS AND KINDRED PRODUCTS, 1960

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CURRENT SERIAL RECORDS

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In addition to agricultural research done by the U. S. Department of Agriculture and the State Land Grant colleges and universities, a considerable amount of research and development is done by industry on foods and kindred products. The extent and form of this industrial research (which does not include agricultural chemicals or farm machinery) is indicated below. Comparative data are also provided on all industrial research.

|                                                                                   | <u>Food &amp; Kindred Products</u> | <u>All Industry</u> |
|-----------------------------------------------------------------------------------|------------------------------------|---------------------|
| Total funds                                                                       | \$104 million                      | \$10,546 million    |
| Funds as proportion of net sales                                                  | 0.3%*                              | 4.3%                |
| Source of funds:                                                                  |                                    |                     |
| Company                                                                           | 90.4%                              | 41.3%               |
| Federal                                                                           | 8.7%                               | 58.0%               |
| Other                                                                             | 0.9%                               | 0.7%                |
| Type of research and development:                                                 |                                    |                     |
| Basic research                                                                    | 7.7%                               | 3.7%                |
| Applied research                                                                  | 50.0%                              | 19.6%               |
| Development                                                                       | 42.3%                              | 76.8%               |
| Scientists and engineers (full-time equivalent)                                   | 5,600                              | 307,000             |
| Cost per scientist and engineer                                                   | \$19,600*                          | \$35,500            |
| Number of companies (1,000 or more employees) performing research and development | 92                                 | 1,120               |
| Proportion of research and, development performed by:                             |                                    |                     |
| 4 companies                                                                       | 40.0%                              |                     |
| 8 companies                                                                       | 56.0%                              |                     |
| 20 companies                                                                      | 81.0%                              |                     |

\*Lowest of any single group.

Note: For more detail on the "food and kindred products" classification, see code 20 in the Standard Industrial Classification Manual, Bureau of the Budget, 1957.

Source: Calculated from data provided in Research and Development in Industry 1960, National Science Foundation, Survey of Science, Resources Series, NSF 63-7, 1963, 118 pp. (particularly pp. 62, 64, 74, 75, 78, 82, 86, 87).

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